

ABSTRACT

TREATMENT MODELS AND USES THEREOF

5 The generation and use of disease models in fish such as  
zebrafish are provided, in particular use in a screen to  
identify a gene or test substance that affects a disease state  
associated with pain or nociception, or pain or nociception.  
In particular, fish models are used in a screen to identify a  
10 gene or test substance that affects activity or effect of a  
second gene provided transgenically that affects a pain or  
nociception state of the fish, or a treatment of the fish that  
affects a pain or nociception state of the fish. A pain state  
or nociception of model fish is compared with that of mutated  
15 or treated fish, allowing for identification of genes and test  
substances with therapeutic application.